CLAIMS

1. A method for synchronizing configuring data (105) at a receiving unit (102) with corresponding source configuring data (107) stored at a source unit (101), the configuring data (105) and the source configuring data (107) each being arranged in at least one group of data (113), the method comprises the steps of:

a) calculating (201) reference checksums for each data group (113);

b) determining (202) whether the content in each data group (113) of the configuring data (105) at the receiving unit (102) matches the corresponding reference checksum;

c) downloading (204) copies of the source configuring data (107) in those data groups (113) for which a mismatch was found at step b) from the source unit (101) to the receiving unit (102),

c h a r a c t e r i z e d in that step b) is performed at the receiving unit (102) and that the method further comprises the step of:

d) requesting (203) the source unit (101) to transfer copies to the receiving unit (102) of the source configuring data (107) in those data groups (113) for which a mismatch is found at step b), wherein step d) is performed between step b) and step c).

2. A method according to claim 1, wherein the reference checksums are calculated using the content of the source configuring data (107) at the source unit (101) and the method further comprises the step of:

e) downloading the calculated reference checksums to the receiving unit (102), wherein step e) is performed prior to step b).

3. A method according to ~~Claim 1~~ ~~any one of claims 1-2~~, wherein step b) is initiated upon detecting operation disturbances of the receiving unit (102).

4. A method according to ~~any one of claims 1-2~~, wherein step b) is performed repeatedly. *(handwritten: Claim 1)*

5. A method according to claim 4, wherein step b) is initiated periodically with a predetermined time interval between each cycle (202).

6. A method according to claim 4, wherein the data groups (113) of the configuring data (105) at the receiving unit (102) are divided into at least two subsets and step b) is initiated periodically for each subset with predetermined time intervals between each cycle (202), the predetermined time intervals being selected individually for each respective subset.

7. A method according to ~~any one of claims 1-6~~, wherein step b) comprises the steps of: *(handwritten: Claim 1)*

f) performing checksum calculations (704) for each data group (113) of the configuring data (105) at the receiving unit (102);

g) comparing (705) the calculated checksums to the corresponding reference checksums.

8. A method according to ~~any one of claims 1-7~~, wherein the data groups (501-504) are classified according to the urgency of the content of each data group with respect to the operation of the receiving unit (102) and step c) is performed so that copies of the source configuring data (107) in data groups (503, 504, 501) classified as more urgent are downloaded prior to downloading copies of the source configuring data (107) in data groups (502) classified as less urgent. *(handwritten: Claim 1)*

9. A distributed system (100) comprising a receiving unit (102), a source unit (101) and data transfer means (103) interconnecting the receiving unit (102) and the source unit (101), wherein the receiving unit (102) includes first

storage means (104) for storing configuring data (105) and the source unit (101) includes second storage means (106) for storing corresponding source configuring data (107), the configuring data (105) and the source configuring data (107)

5   each being arranged in at least one group of data (113), the distributed system (100) comprises:

reference checksum calculating means (602) for calculating reference checksums for each data group (113);

determining means (604, 605) for determining whether the

10   content in each data group (113) of the configuring data (105) at the receiving unit (102) matches the corresponding reference checksum;

downloading means (603, 606) for downloading copies from the source unit (101) to the receiving unit (102) of the source

15   configuring data (107) in those data groups (113) for which the determining means (604, 605) has found a mismatch between the content of the configuring data (105) at the receiving unit (102) and the corresponding reference checksums,

20   c h a r a c t e r i z e d in that the determining means (604, 605) is located at the receiving unit (102) and that the distributed system (100) comprises means (604) for requesting the source unit (101) to download copies of the source configuring data (107) in those data groups (113) for

25   which the determining means (604, 605) found a mismatch.

10. A distributed system (100) according to claim 9, wherein the reference checksum calculating means (602) is located in the source unit (101) and is adapted to calculate the reference checksums using the content of the source

30   configuring data (107) stored in the second storage means (106), and the downloading means (603, 606) is adapted to download the calculated reference checksums from the source unit (101) to the receiving unit (102).

claim 9

β 11. A distributed system (100) according to ~~any one of claims 9-10~~, wherein the determining means (604, 605) is adapted to determine whether the content in each data group (113) of the configuring data (105) at the receiving unit

5 (102) matches the corresponding reference checksum (113) upon detection of operation disturbances of the receiving unit (102).

12. A distributed system (100) according to ~~any one of~~

Claim 9

β ~~claims 9-10~~, wherein the determining means (604, 605) is

10 adapted to repeatedly perform monitoring cycles (202) determining whether the content in each data group (113) of the configuring data (105) at the receiving unit (102) matches the corresponding reference checksum (113).

13. A distributed system (100) according to claim 12 wherein

15 the determining means (604, 605) is adapted to periodically initiate the monitoring cycles (202) with a predetermined time interval between each monitoring cycle (202).

14. A distributed system (100) according to claim 12 wherein the data groups (113) of the configuring data (105) at the

20 receiving unit (102) are divided into at least two subsets and the determining means (604, 605) is adapted to periodically initiate the monitoring cycles (202) for each subset with predetermined time intervals between each monitoring cycle (202), the predetermined time intervals

25 being selected individually for each respective subset.

Claim 9

β 15. A distributed system (100) according to ~~any one of

β claims 9-14~~ wherein the determining means (604, 605) comprises:

checksum calculating means (605) for calculating checksums

30 for each data group (113) of the configuring data (105) at the receiving unit (102);

comparing means (604) for comparing the checksums calculated by the checksum calculating means (605) to the corresponding reference checksums.

16. A distributed system (100) according to *claim 9* ~~any one of~~

5   ~~claims 9-15~~ wherein the data groups (501, 502, 503, 504) are classified according to the urgency of the content of each data group with respect to the operation of the receiving unit (102) and the downloading means (603, 606) is adopted to download copies of the source configuring data (107) in

10   data groups (503, 504, 501) classified as more urgent prior to downloading copies of the source configuring data (107) in data groups (502) classified as less urgent.